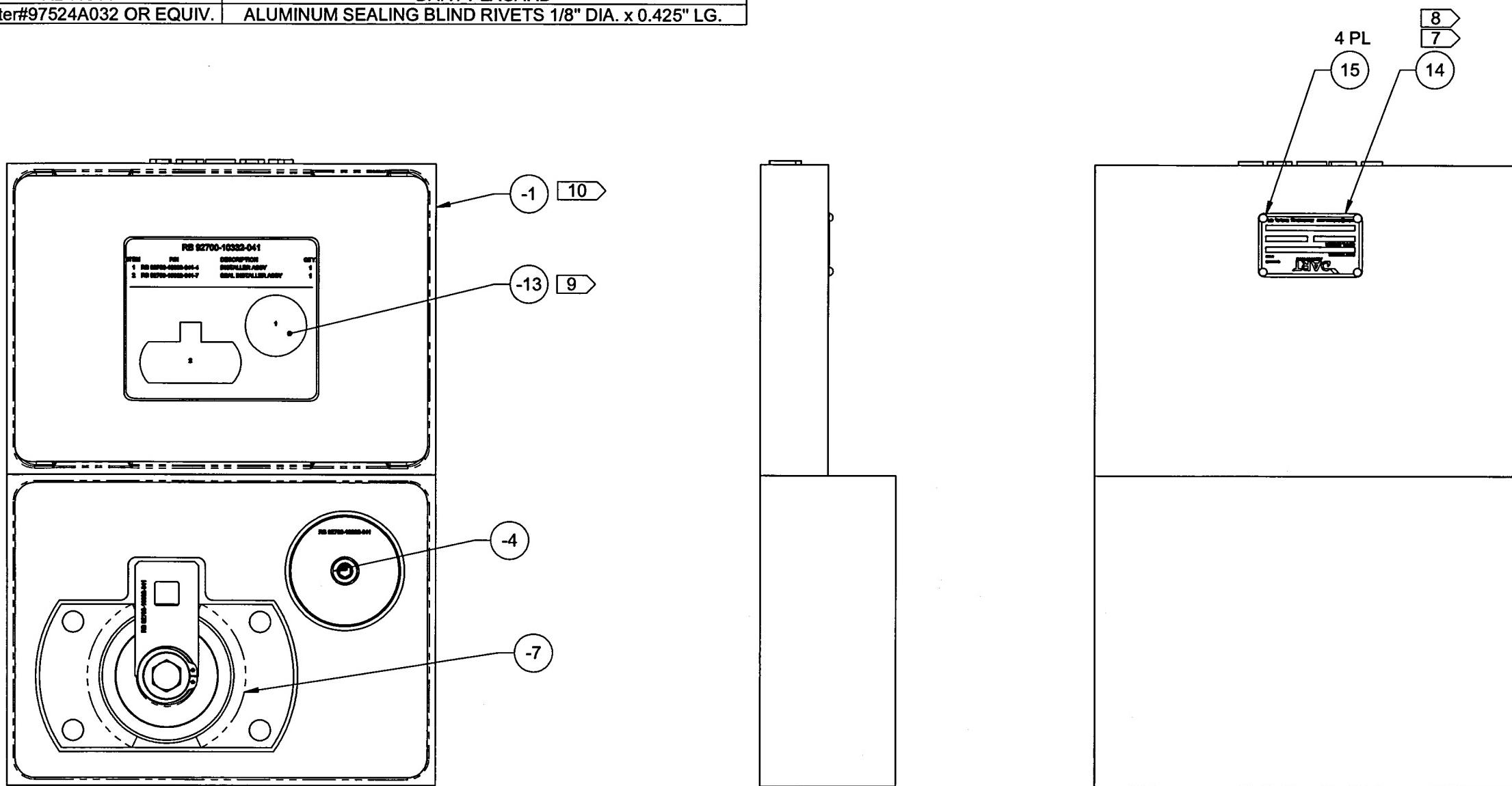


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ITEM #	QTY	PART #	PART TITLE
-1	1	RB 92700-10332-041-1	PACKAGING ASSY
-4	1	RB 92700-10332-041-4	INSTALLER ASSY
-7	1	RB 92700-10332-041-7	SEAL INSTALLER ASSY
-13	1	RB 92700-10332-041-13	POSITION PLACARD
14	1	RB41011	DART PLACARD
15	4	McMaster#97524A032 OR EQUIV.	ALUMINUM SEALING BLIND RIVETS 1/8" DIA. x 0.425" LG.



### RB 92700-10332-041 HYDRAULIC PUMP SEAL TOOL SET

#### NOTES:

- 1) MATERIAL: N/A
- 2) HEAT TREAT: N/A
- 3) FINISH: N/A
- 4) TOLERANCES: X.X = +/- 0.1" / +/- 1°  
X.XX = +/- 0.01" / +/- 0.5°  
X.XXX = +/- 0.005" / +/- 0.1°  
X.XXXX = +/- 0.0005" / +/- 0.05°  
PARALLELISM, ECCENTRICITY AND SYMMETRY ABOUT ALL CENTER LINES = +/-0.005"
- 5) UNITS: INCHES UNLESS OTHERWISE NOTED
- 6) BREAK SHARP EDGES: N/A
- 7) IDENTIFICATION: ENGRAVE THE TOOL P/N & S/N ON THE DART PLACARD WHERE INDICATED
- 8) INSTALL THE DART PLACARD ONTO THE TOP OF THE CASE IN AVAILABLE AREA USING ALUMINIUM POP RIVETS
- 9) HOT GLUE THE PLASTIC PLACARD ONTO THE TOP FOAM
- 10) HOT GLUE THE TOP AND BOTTOM FOAM INTO THE CASE

A	NEW ISSUE	18-614	VM
REV.	DESCRIPTION	ECN #	BY
DESIGN	VM	DART AEROSPACE LTD	
DRAWN	VM	HAWKESBURY, ONTARIO, CANADA	
CHECKED	VM	TOOL PART #	REV. A
MFG. APPR.	DP	RB 92700-10332-041	SHEET 1 OF 14
APPROVED	VH	TITLE	SCALE
		HYDRAULIC PUMP SEAL TOOL SET	
DATE	9/12/2018	NTS	
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ITEM #	QTY	PART #	PART TITLE
-2	1	RB 92700-10332-041-2	TOP FOAM
-3	1	RB 92700-10332-041-3	BOTTOM FOAM
16	1	PELICAN #APP-iM2100-E	PELICAN CASE 2100

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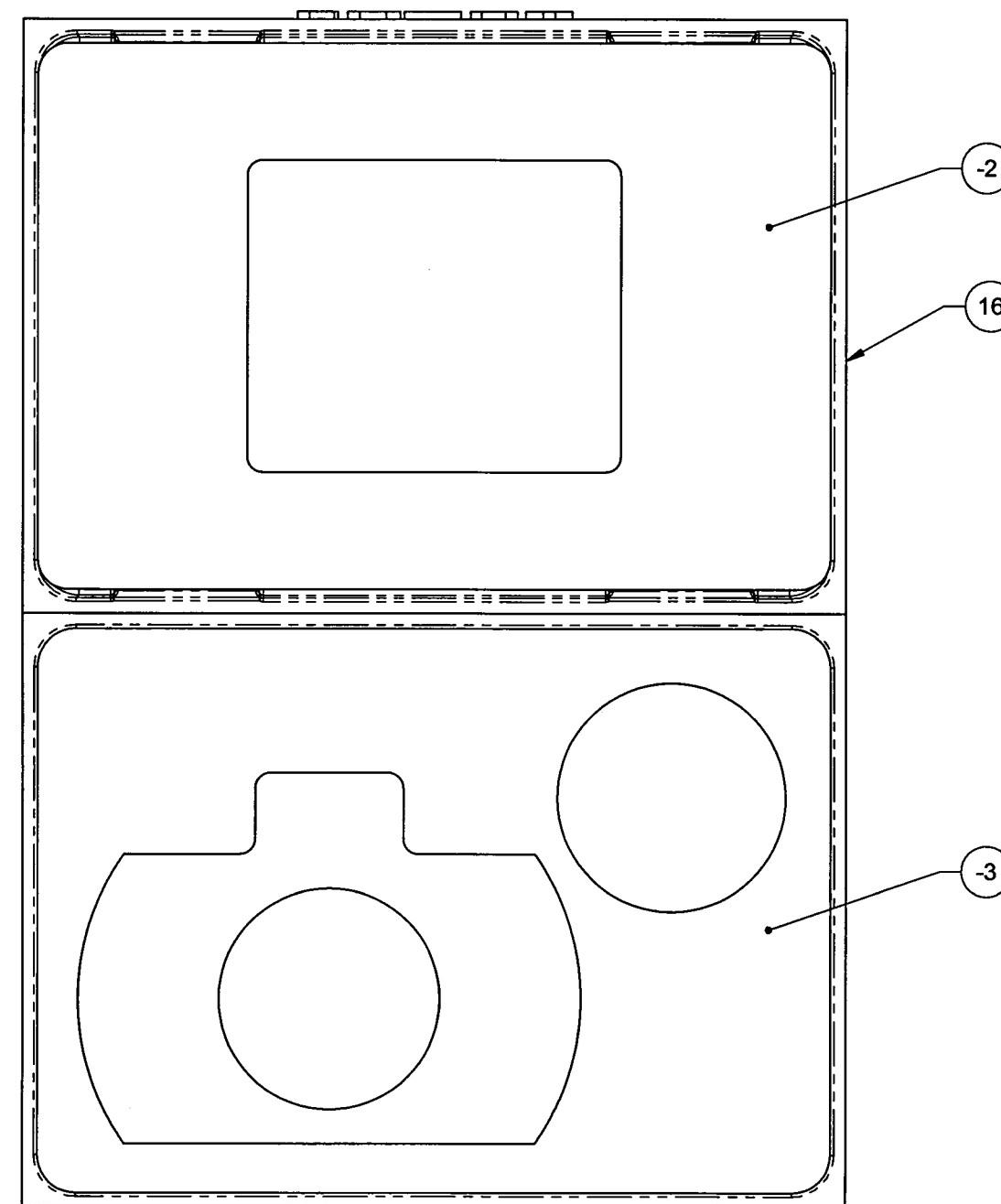
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## NOTES:

1) MATERIAL: N/A

2) HEAT TREAT: N/A

3) FINISH: N/A

4) TOLERANCES: X.X = +/- 0.1" / +/- 1°

X.XX = +/- 0.01" / +/- 0.5°

X.XXX = +/- 0.005" / +/- 0.1°

X.XXXX = +/- 0.0005" / +/- 0.05°

PARALLELISM, ECCENTRICITY AND SYMMETRY ABOUT ALL CENTER LINES = +/-0.005"

5) UNITS: INCHES UNLESS OTHERWISE NOTED

6) BREAK SHARP EDGES: N/A

7) IDENTIFICATION: N/A

RB 92700-10332-041-1 PACKAGING ASSY

DESIGN	VM	<b>DART AEROSPACE LTD</b> HAWKESBURY, ONTARIO, CANADA
DRAWN	VM	
CHECKED	VM	REV. A TOOL PART # <b>RB 92700-10332-041</b> SHEET 2 OF 14
MFG. APPR.	DP	
APPROVED	V77	
DATE	9/12/2018	
TITLE <b>HYDRAULIC PUMP SEAL TOOL SET NTS</b>		
SCALE		
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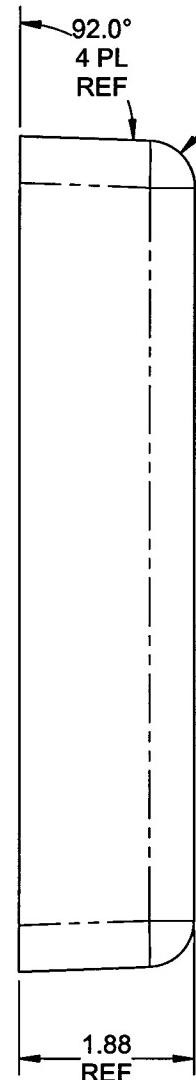
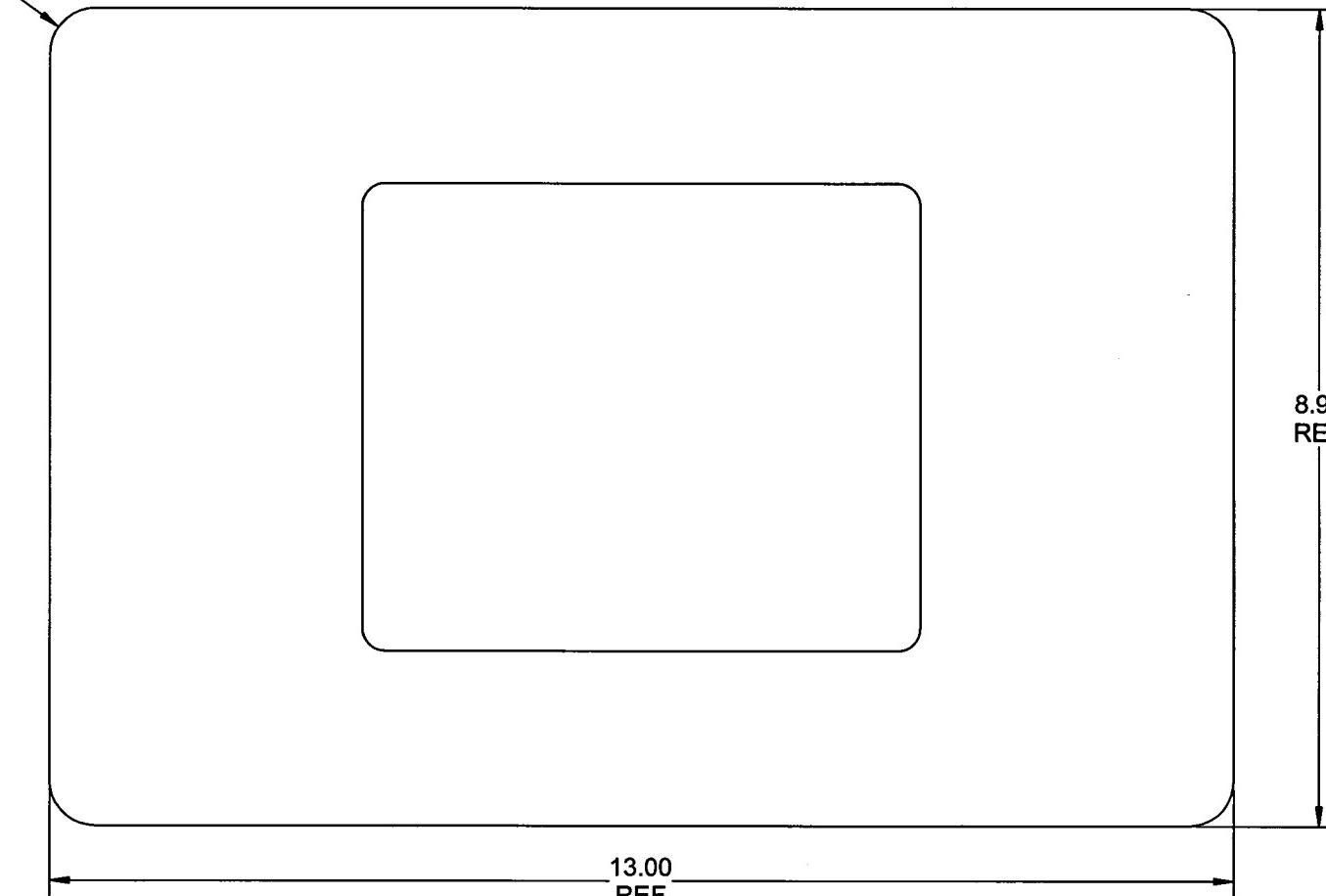
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R0.50  
4 PL  
REF

92.0°  
4 PL  
REF

R0.50  
TYP  
REF



RB 92700-10332-041-2 TOP FOAM

NOTES:

1) MATERIAL: BLACK ETHAFOAM 220

2) HEAT TREAT: N/A

3) FINISH: N/A

4) TOLERANCES: X.X = +/- 0.1" / +/- 1°  
X.XX = +/- 0.01" / +/- 0.5°

X.XXX = +/- 0.005" / +/- 0.1°

X.XXXX = +/- 0.0005" / +/- 0.05°

PARALLELISM, ECCENTRICITY AND SYMMETRY ABOUT ALL CENTER LINES = +/-0.005"

5) UNITS: INCHES UNLESS OTHERWISE NOTED

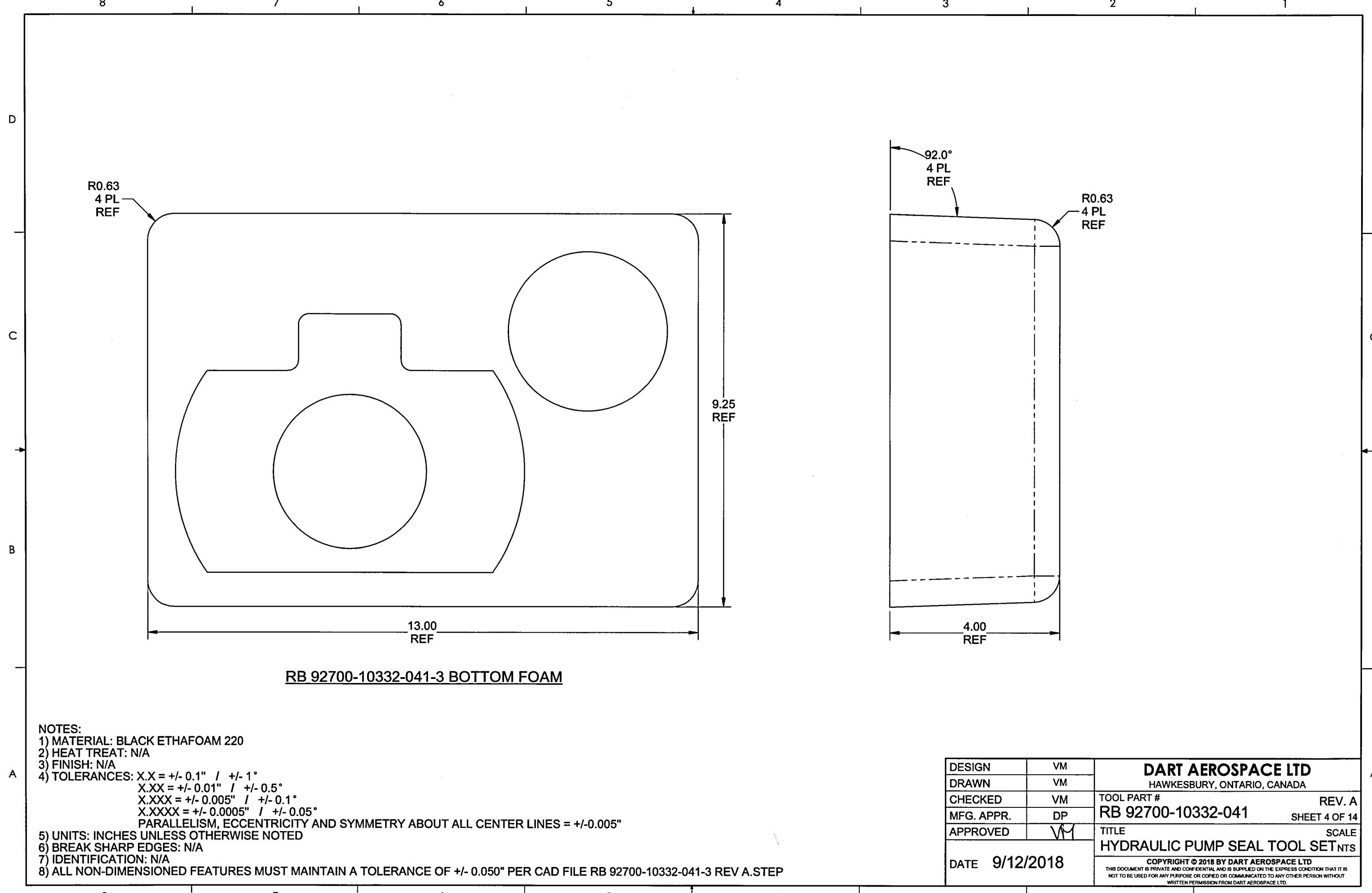
6) BREAK SHARP EDGES: N/A

7) IDENTIFICATION: N/A

8) ALL NON-DIMENSIONED FEATURES MUST MAINTAIN A TOLERANCE OF +/- 0.050" PER CAD FILE RB 92700-10332-041-2 REV A.STEP

DESIGN	VM	DART AEROSPACE LTD	
DRAWN	VM	HAWKESBURY, ONTARIO, CANADA	
CHECKED	VM	TOOL PART #	
MFG. APPR.	DP	RB 92700-10332-041	REV. A
APPROVED	WT	SHEET 3 OF 14	
DATE	9/12/2018	TITLE	SCALE
		HYDRAULIC PUMP SEAL TOOL SET NTS	

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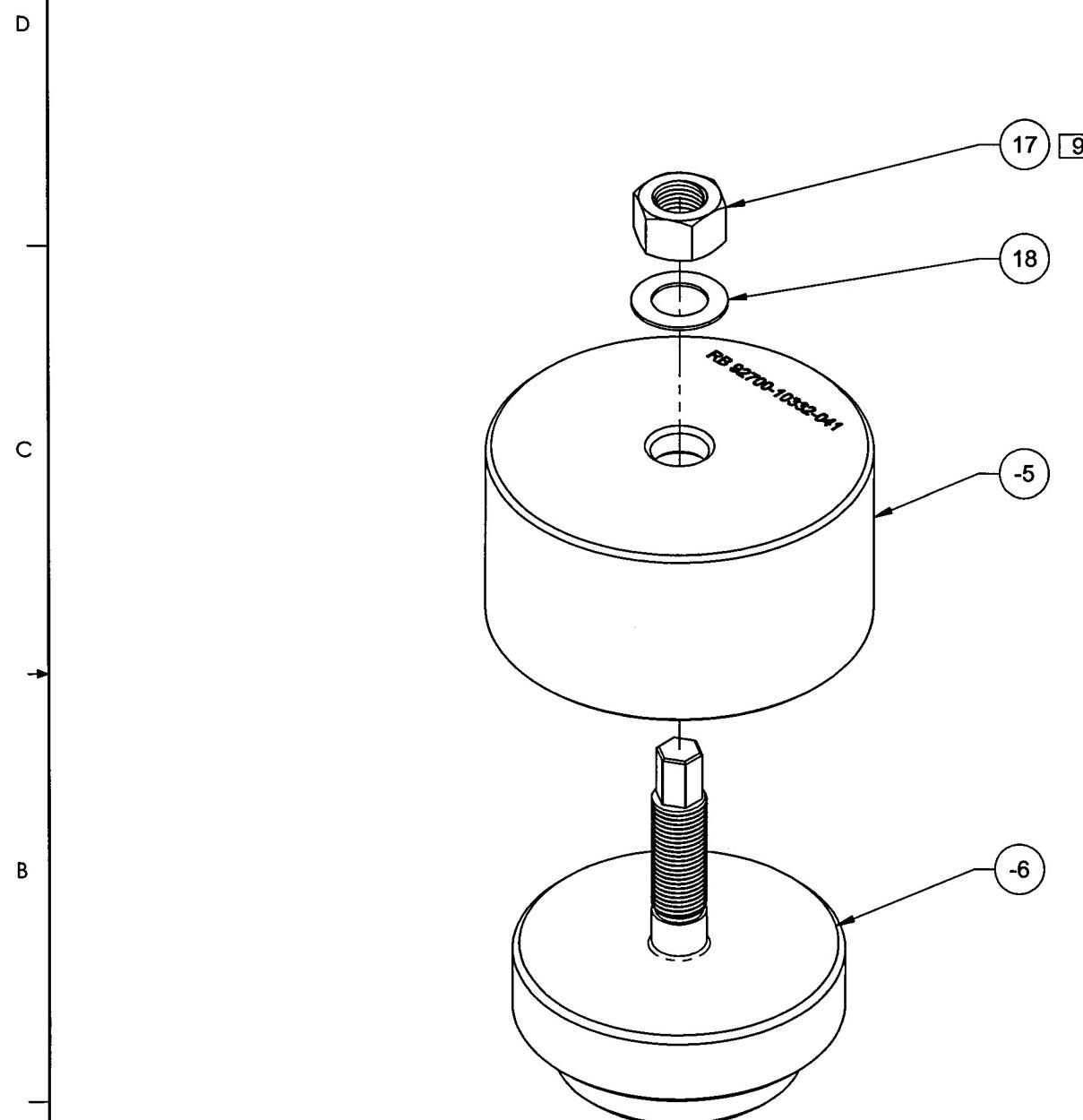
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ITEM #	QTY	PART #	PART TITLE
-5	1	RB 92700-10332-041-5	INSTALLER BASE
-6	1	RB 92700-10332-041-6	INSTALLER
17	1	McMaster#94895A825 OR EQUIV	STEEL HEX NUT 1/2"-20
18	1	NAS1149F0832P	FLAT WASHER FOR 1/2" BOLT



RB 92700-10332-041-4 INSTALLER ASSY

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NOTES:

1) MATERIAL: N/A

2) HEAT TREAT: N/A

3) FINISH: N/A

4) TOLERANCES: X.X = +/- 0.1" / +/- 1°

X.XX = +/- 0.01" / +/- 0.5°

X.XXX = +/- 0.005" / +/- 0.1°

X.XXXX = +/- 0.0005" / +/- 0.05°

PARALLELISM, ECCENTRICITY AND SYMMETRY ABOUT ALL CENTER LINES = +/-0.005"

5) UNITS: INCHES UNLESS OTHERWISE NOTED

6) BREAK SHARP EDGES: N/A

7) IDENTIFICATION: N/A

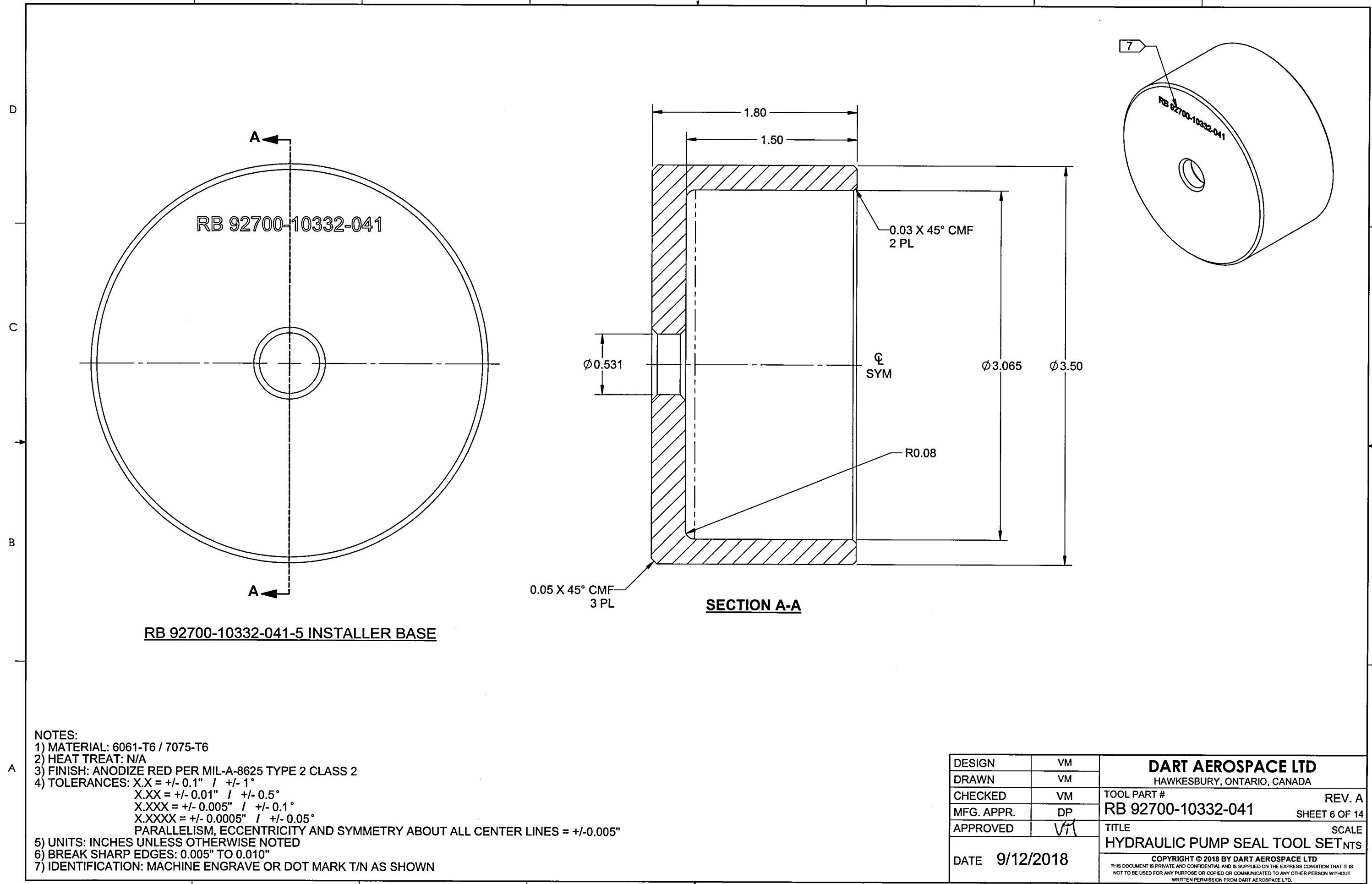
8) ASSEMBLE AS SHOWN

9) INSTALL ITEM 17 HAND TIGHT

10) THE TOOL ASSY MUST BE PACKAGED WITH A DESICCANT BAG INTO A TIGHT FITTING SEALED PLASTIC BAG

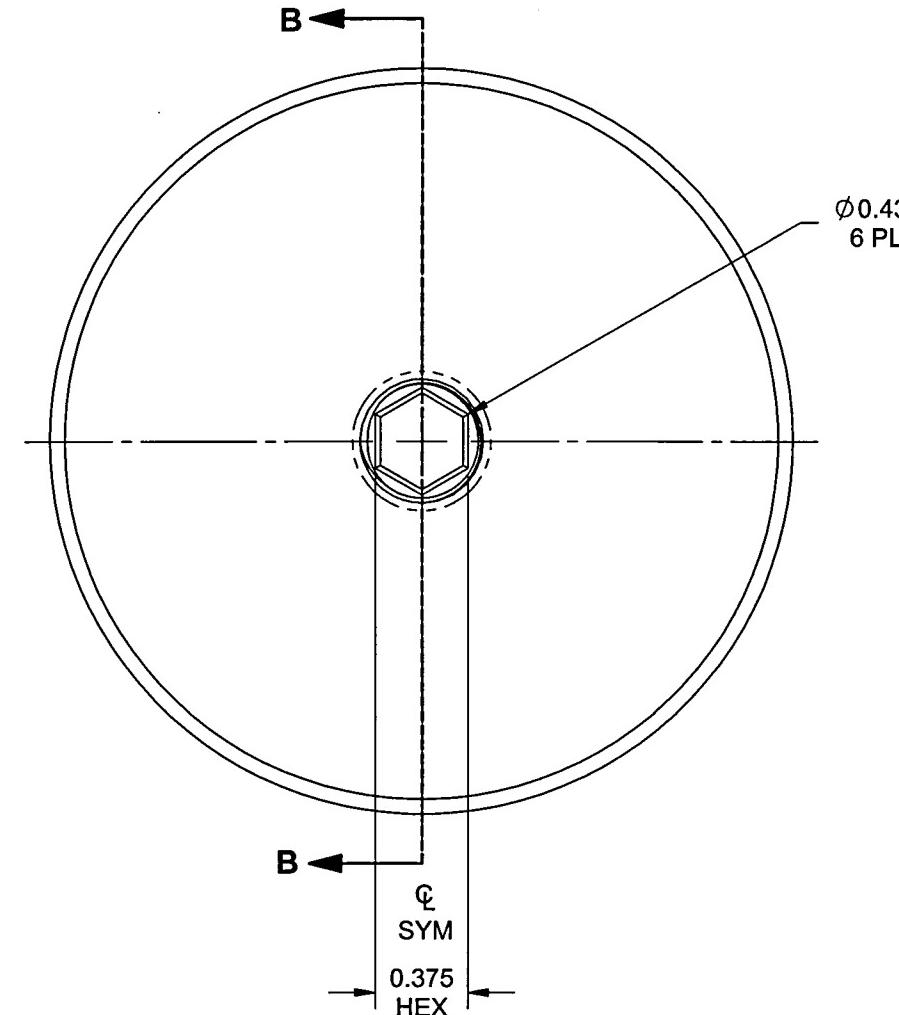
DESIGN	VM	DART AEROSPACE LTD
DRAWN	VM	HAWKESBURY, ONTARIO, CANADA
CHECKED	VM	TOOL PART #
MFG. APPR.	DP	RB 92700-10332-041
APPROVED	WT	REV. A SHEET 5 OF 14
DATE	9/12/2018	TITLE SCALE HYDRAULIC PUMP SEAL TOOL SETNTS
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RB 92700-10332-041-6 INSTALLER

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NOTES:

- 1) MATERIAL: 4140/4142 (28-32 RC)
- 2) HEAT TREAT: 35-38 Rc
- 3) FINISH: BLACK OXIDE PER MIL-C-13924 CLASS 1 THEN APPLY A THIN LAYER OF OIL / CPC PER MIL-PRF-16173 GRADE 3 CLASS 1 OR MIL-C-81309 TYPE III OR MIL-C-23411A OR MIL-PRF-81309 AND WIPE OFF EXCESS

4) TOLERANCES: X.X = +/- 0.1" / +/- 1°

X.XX = +/- 0.01" / +/- 0.5°

X.XXX = +/- 0.005" / +/- 0.1°

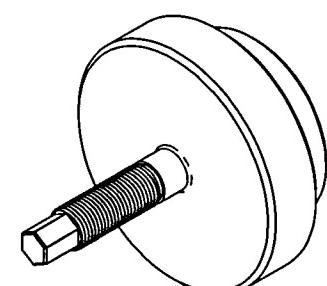
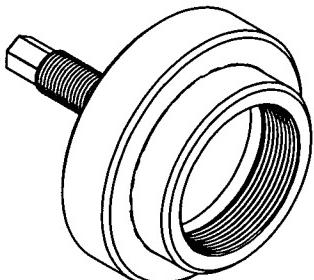
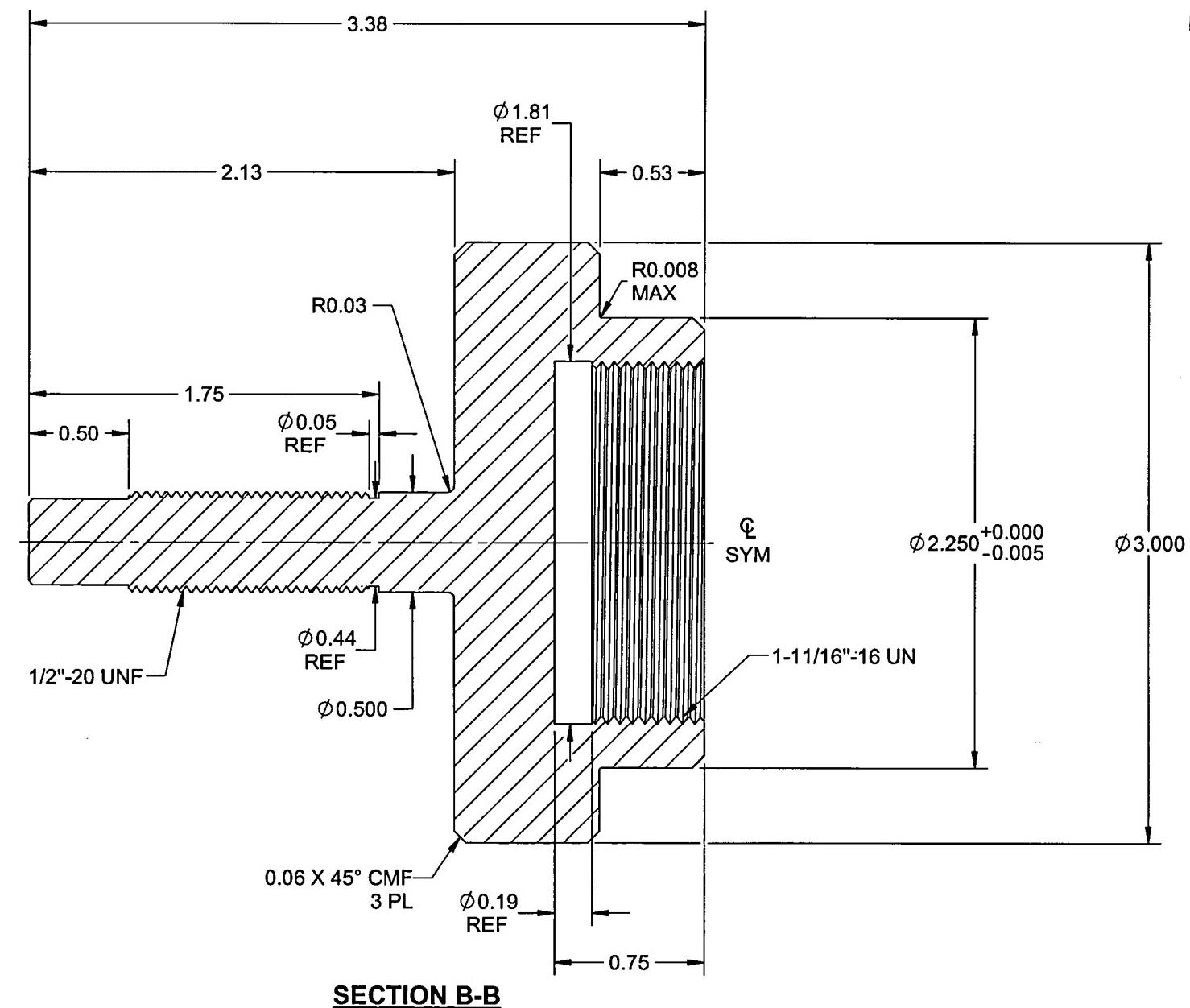
X.XXXX = +/- 0.0005" / +/- 0.05°

PARALLELISM, ECCENTRICITY AND SYMMETRY ABOUT ALL CENTER LINES = +/-0.005"

5) UNITS: INCHES UNLESS OTHERWISE NOTED

6) BREAK SHARP EDGES: 0.005" TO 0.010"

7) IDENTIFICATION: N/A



DESIGN	VM	<b>DART AEROSPACE LTD</b> HAWKESBURY, ONTARIO, CANADA
DRAWN	VM	
CHECKED	VM	TOOL PART #
MFG. APPR.	DP	REV. A <b>RB 92700-10332-041</b>
APPROVED	VN	SHEET 7 OF 14
DATE	9/12/2018	TITLE <b>HYDRAULIC PUMP SEAL TOOL SET NTS</b>
		SCALE
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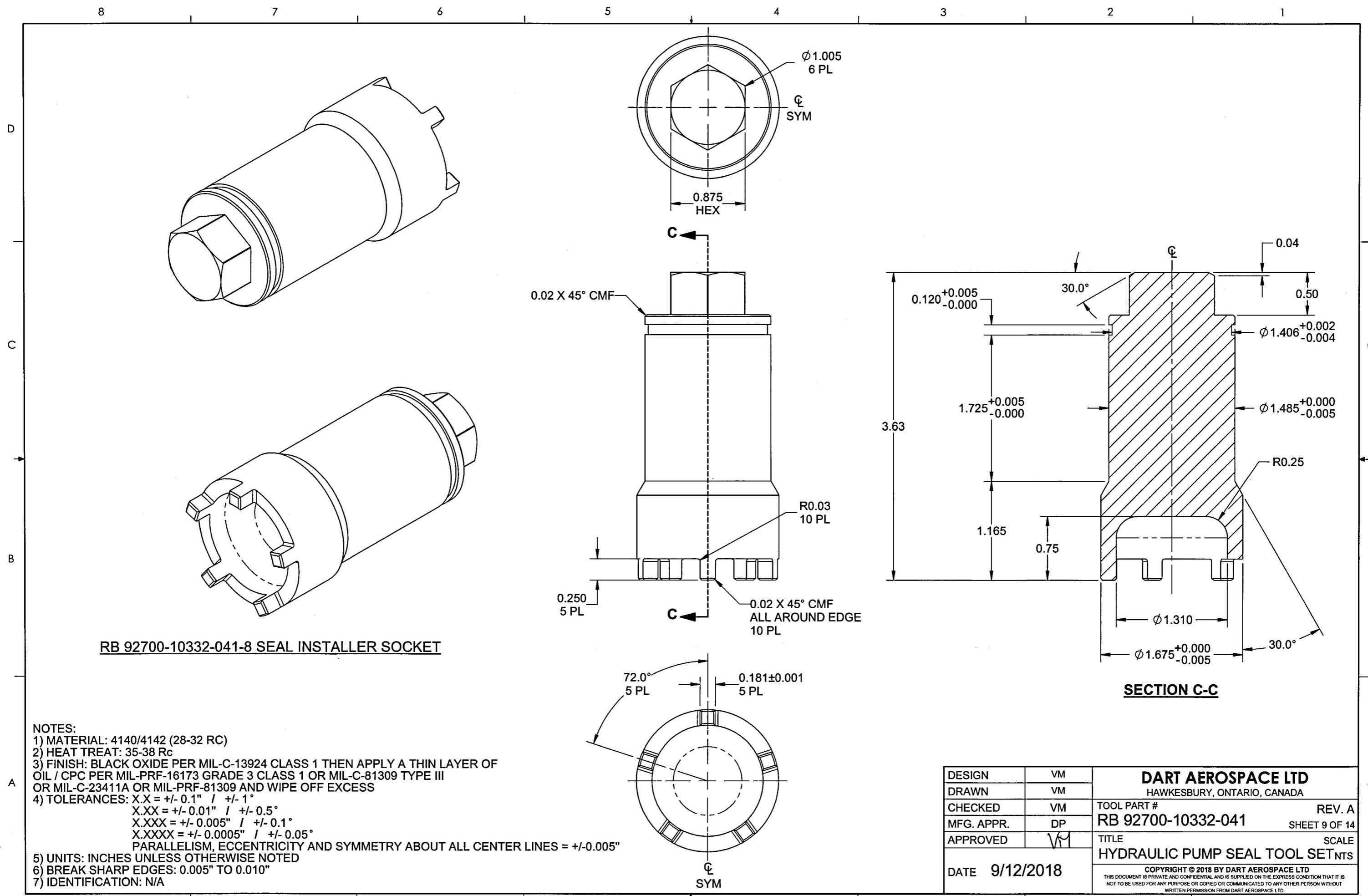
ITEM #	QTY.	PART #	PART TITLE
-8	1	RB 92700-10332-041-8	SEAL INSTALLER SOCKET
-9	1	RB 92700-10332-041-9	SEAL INSTALLER BASE
-10	1	RB 92700-10332-041-10	SEAL INSTALLER WELDMENT
19	1	McMaster#98585A133 OR EQUIV.	STEEL EXTERNAL RETAINING RING FOR 1-1/2" OD
20	3	McMaster#98380A435 OR EQUIV	SS DOWEL PIN 3/32" DIA. x 5/16" LG.

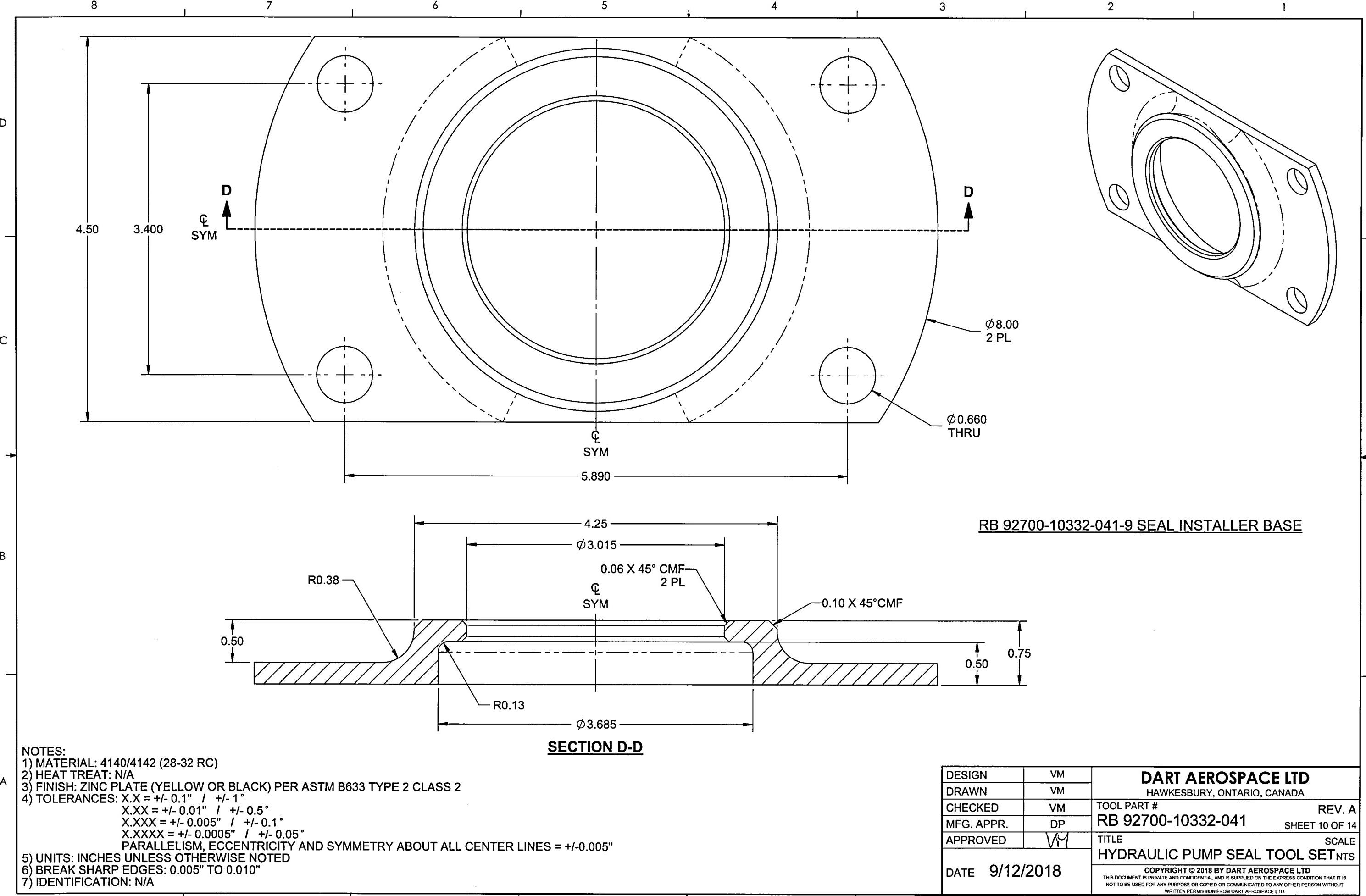
**RB 92700-10332-041-7 SEAL INSTALLER ASSY**

**NOTES:**

- 1) MATERIAL: N/A
- 2) HEAT TREAT: N/A
- 3) FINISH: N/A
- 4) TOLERANCES: X.X = +/- 0.1" / +/- 1°  
X.XX = +/- 0.01" / +/- 0.5°  
X.XXX = +/- 0.005" / +/- 0.1°  
X.XXXX = +/- 0.0005" / +/- 0.05°  
PARALLELISM, ECCENTRICITY AND SYMMETRY ABOUT ALL CENTER LINES = +/-0.005"
- 5) UNITS: INCHES UNLESS OTHERWISE NOTED
- 6) BREAK SHARP EDGES: N/A
- 7) IDENTIFICATION: N/A
- 8) ASSEMBLE AS SHOWN
- 9) APPLY LOCTITE 620 OR EQUIVALENT ON MATING SURFACES THEN PRESS FIT ITEM 20 DOWEL PIN WITH ITEM -10 AND REMOVE EXCESS
- 10) THE TOOL ASSY MUST BE PACKAGED WITH A DESICCANT BAG INTO A TIGHT FITTING SEALED PLASTIC BAG

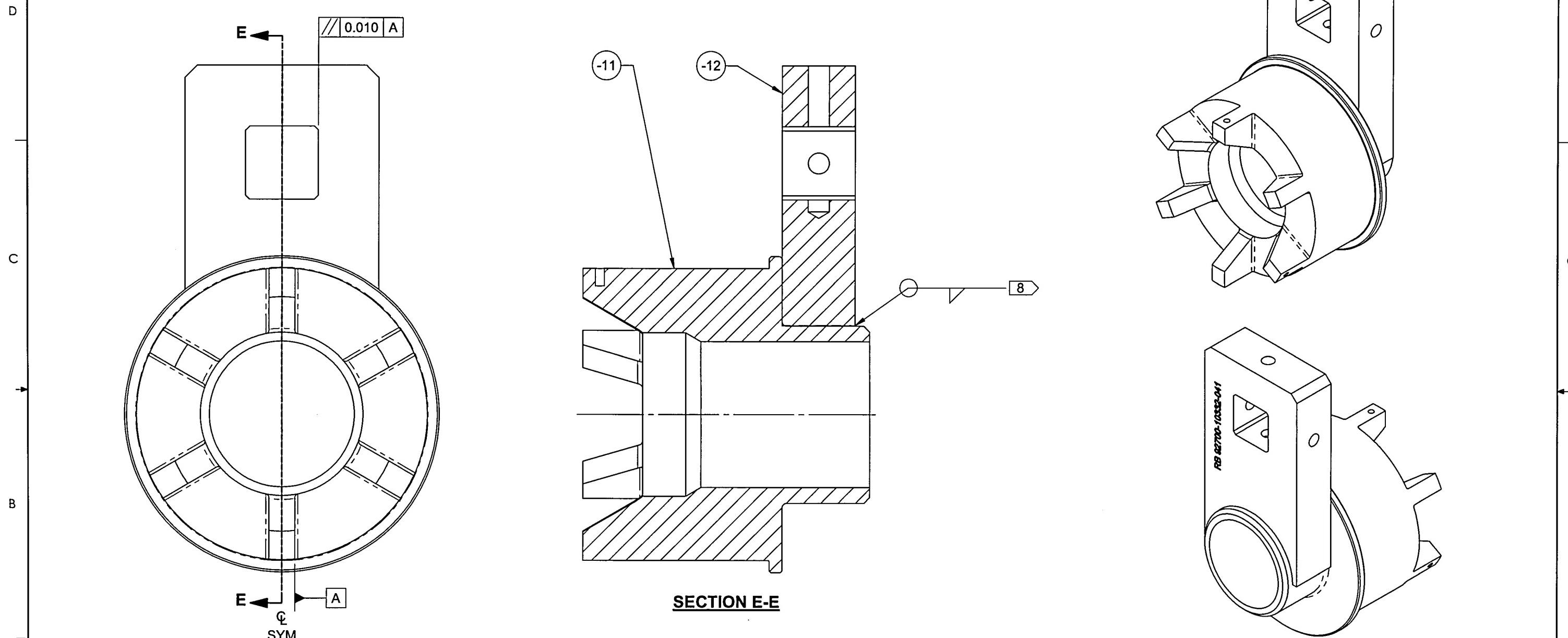
DESIGN	VM	DART AEROSPACE LTD
DRAWN	VM	HAWKESBURY, ONTARIO, CANADA
CHECKED	VM	TOOL PART #
MFG. APPR.	DP	RB 92700-10332-041
APPROVED	VM	REV. A
		SHEET 8 OF 14
		TITLE
		SCALE
		HYDRAULIC PUMP SEAL TOOL SETNTS
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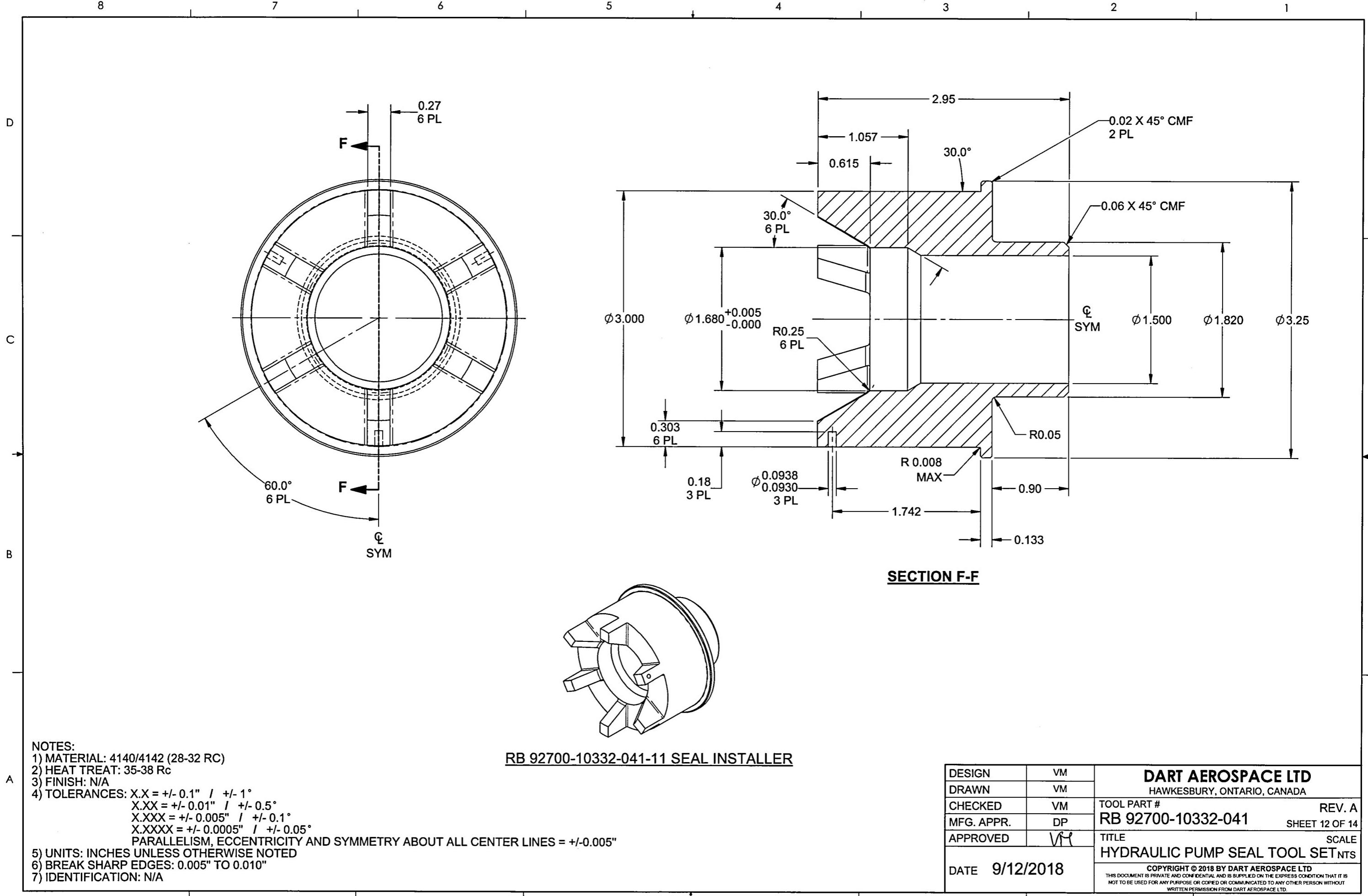
ITEM #	QTY	PART #	PART TITLE
-11	1	RB 92700-10332-041-11	SEAL INSTALLER
-12	1	RB 92700-10332-041-12	DRIVE PLATE

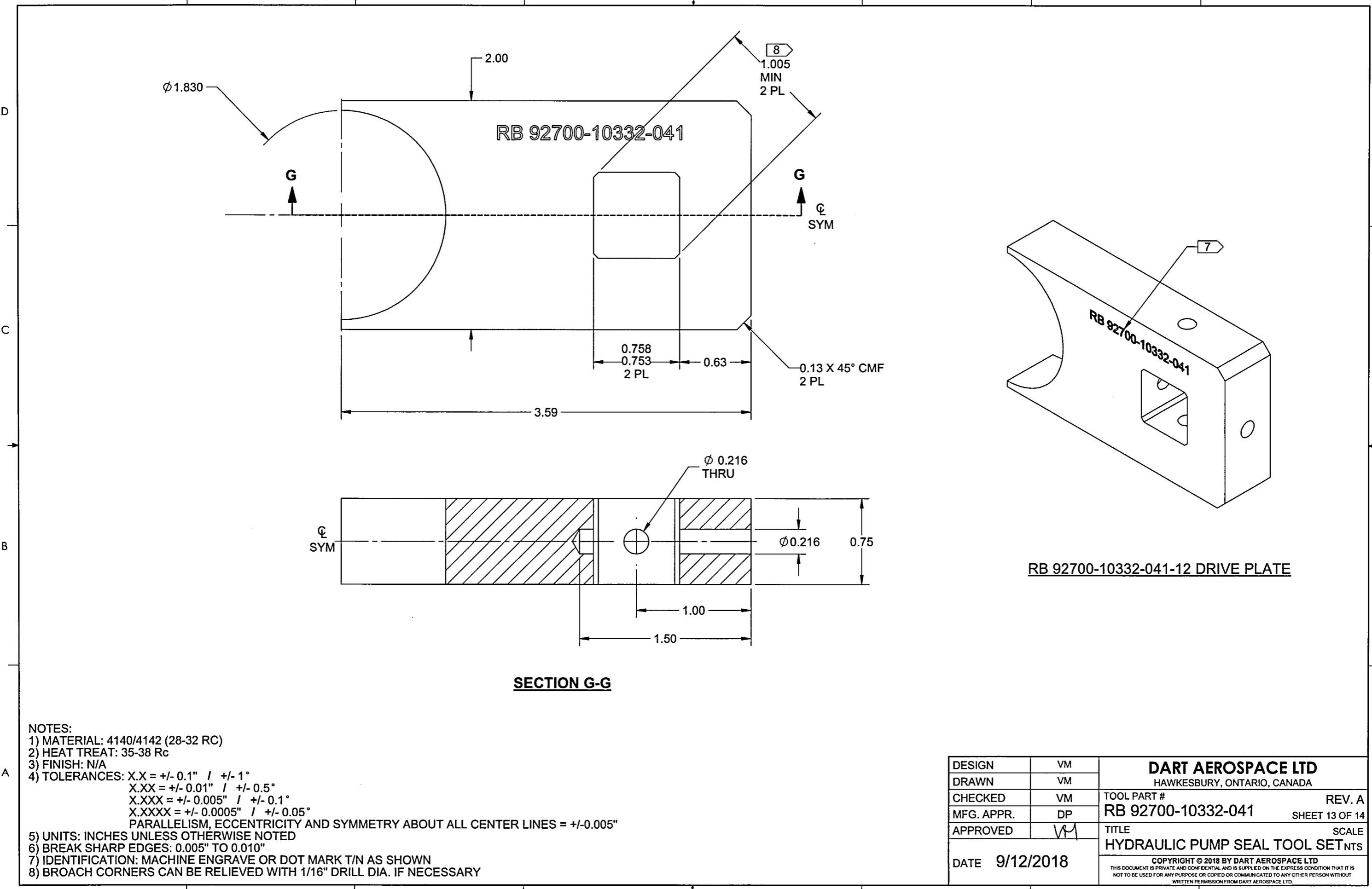


NOTES:

- 1) MATERIAL: N/A
- 2) HEAT TREAT: N/A
- 3) FINISH: BLACK OXIDE PER MIL-C-13924 CLASS 1 THEN APPLY A THIN LAYER OF OIL / CPC PER MIL-PRF-16173 GRADE 3 CLASS 1 OR MIL-C-81309 TYPE III OR MIL-C-23411A OR MIL-PRF-81309 AND WIPE OFF EXCESS
- 4) TOLERANCES: X.X = +/- 0.1" / +/- 1°  
X.XX = +/- 0.01" / +/- 0.5°  
X.XXX = +/- 0.005" / +/- 0.1°  
X.XXXX = +/- 0.0005" / +/- 0.05°  
PARALLELISM, ECCENTRICITY AND SYMMETRY ABOUT ALL CENTER LINES = +/- 0.005"
- 5) UNITS: INCHES UNLESS OTHERWISE NOTED
- 6) BREAK SHARP EDGES: N/A
- 7) IDENTIFICATION: N/A
- 8) ASSEMBLE AS SHOWN, ALIGN SQUARE DRIVE WITH CENTER OF TEETH

DESIGN	VM	DART AEROSPACE LTD
DRAWN	VM	HAWKESBURY, ONTARIO, CANADA
CHECKED	VM	TOOL PART #
MFG. APPR.	DP	REV. A
APPROVED	VM	RB 92700-10332-041
		SHEET 11 OF 14
		TITLE
		SCALE
		HYDRAULIC PUMP SEAL TOOL SETNTS
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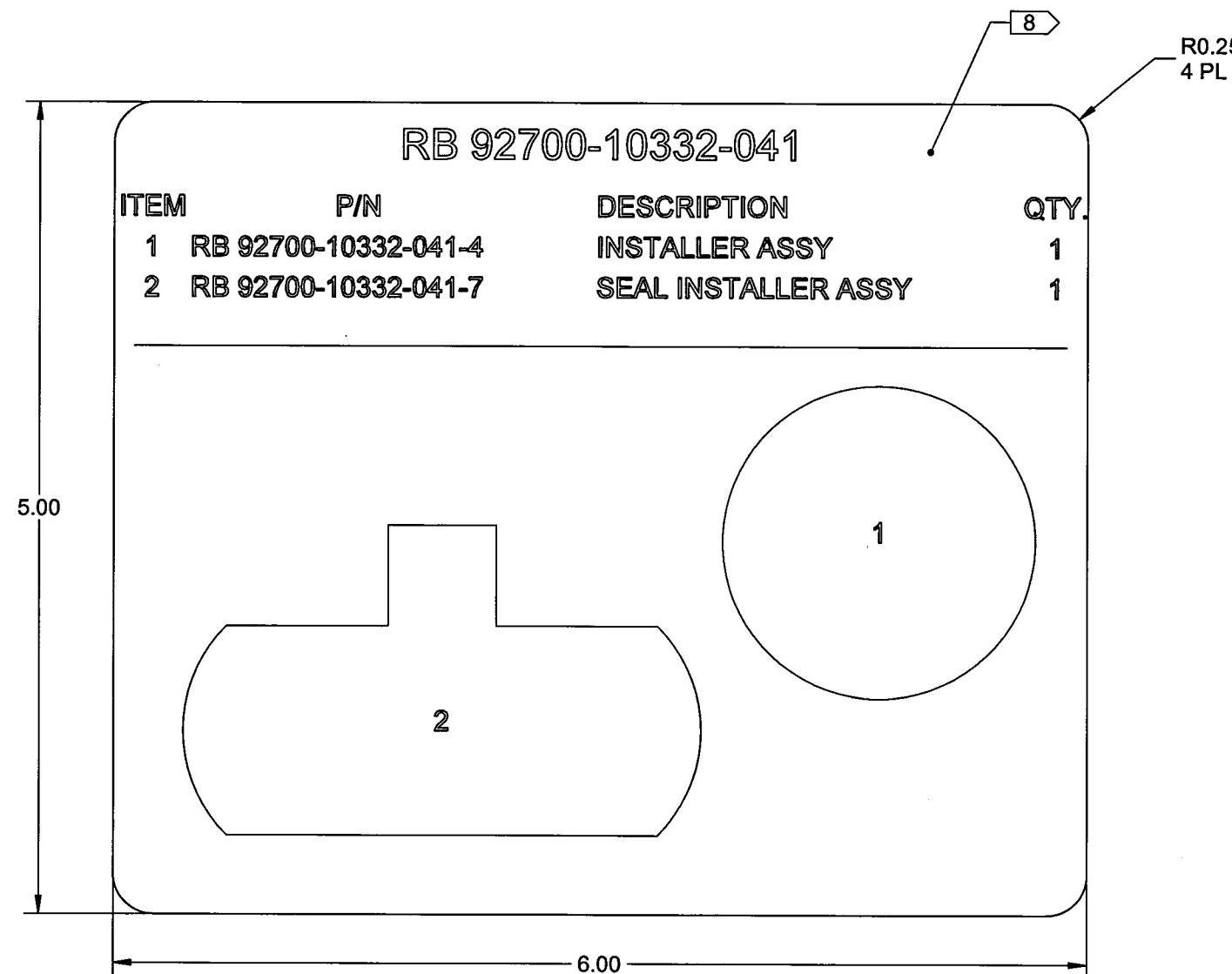




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RB 92700-10332-041-13 POSITION PLACARD

NOTES:

- 1) MATERIAL: MULTI-CRAFT PLASTICS # LM922402 OR EQUIV
- 2) HEAT TREAT: N/A
- 3) FINISH: N/A
- 4) TOLERANCES: X.X = +/- 0.1" / +/- 1°  
X.XX = +/- 0.01" / +/- 0.5°  
X.XXX = +/- 0.005" / +/- 0.1°  
X.XXXX = +/- 0.0005" / +/- 0.05°  
PARALLELISM, ECCENTRICITY AND SYMMETRY ABOUT ALL CENTER LINES = +/- 0.005"
- 5) UNITS: INCHES UNLESS OTHERWISE NOTED
- 6) BREAK SHARP EDGES: N/A
- 7) IDENTIFICATION: N/A
- 8) BLACK BACKGROUND WITH WHITE LETTERS AND LINES

DESIGN	VM	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA
DRAWN	VM	
CHECKED	VM	
MFG. APPR.	DP	
APPROVED	VM	
DATE	9/12/2018	TOOL PART # RB 92700-10332-041 REV. A SHEET 14 OF 14
TITLE	SCALE	HYDRAULIC PUMP SEAL TOOL SET NTS
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